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Meeting Wrap-Up



SMAP Canadian Workshop, Montreal Biosphere, October 2009

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BRIEF SUMMARY – VALIDATION SITES

- ***Several existing networks / sites / in-situ stations***
- ***Funding an issue for many of these sites after 2010***
- ***Not one of them “perfect” – for SMAP cal-val objectives***
- ***May need to focus on at least one of these networks***
- ***New opportunities***



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BRIEF SUMMARY – FIELD CAMPAIGNS

- *Could benefit from previous campaigns and from the campaign that will be conducted for SMOS*
- *Long-term experience with airborne microwave radiometric measurements*
- *Essential to have the right set up of EC's radiometer on the airplane (angle)*
- *Need to examine the possibility having a first campaign in 2011 (would well complement other SMAP and international activities)*
- *... external contributions, link with increases in surface in situ network*



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BRIEF SUMMARY – APPLICATIONS + R&D

- ***Canadian retrieval of soil moisture and freeze/thaw largely based on active data***
- ***Canadian Land Data Assimilation System being tested for eventual operational implementation at EC; framework for assimilation of SMAP data at EC***
- ***Potential for combination of information from several sensors (L-band active and passive, C-band active)***



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STRUCTURE of the DOCUMENT

- The SMAP mission: A general overview
- SMAP-related scientific research in Canada
- Objectives of the Canadian plan
- Calibration and validation program
- Research, development, and applications program
- Canadian science team
- Work breakdown structure
- SMAP Canadian community
- Budget

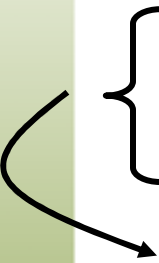


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PROPOSED TIMELINE

- First version of the Plan based on inputs from this workshop and based on upcoming discussions/calls with main contributors – by the end of 2009
- Review of this first draft – by the end of 01/2010
- Version to be submitted to CSA – by the end of 02/2010
- ... and then ... ?



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FUNDING MECHANISMS

- Direct from CSA (GRIP, other)
- Grants and contributions (for universities)
- + leverage from funding agencies



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FINAL ITEMS ...

- Availability of presentations (permissions from presenters)
- List of participants + emails
- One-pager summary of the workshop



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